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Preliminary SCAA/ASPM Assessment of White Hake

Doug Butterworth and Rebecca Rademeyer

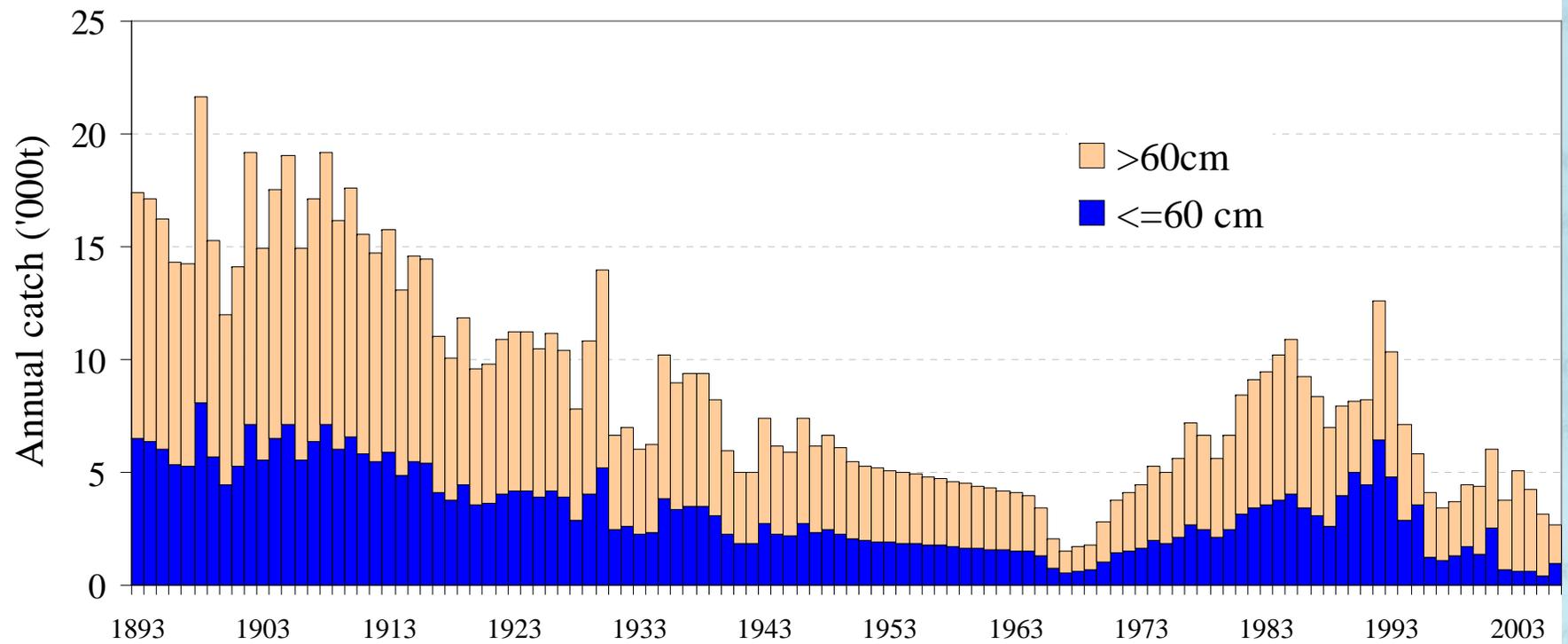


Marine Resource Assessment and Management Group, University of Cape Town

Specifications

- $M = 0.2$
- Ricker stock-recruitment
- Freely estimable selectivity
- Commence in 1963
- Fit to survey and commercial lengths as well as survey age proportion data

Catch series



Four Scenarios

- **1963 abundance**

0.25 K^{sp}

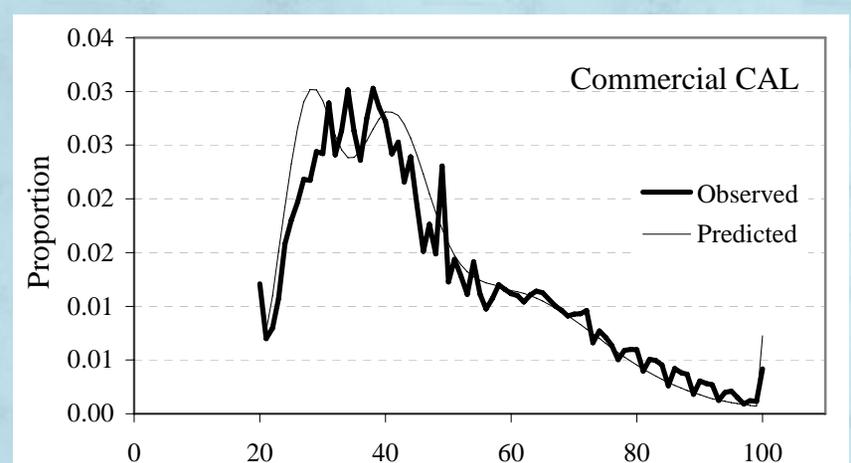
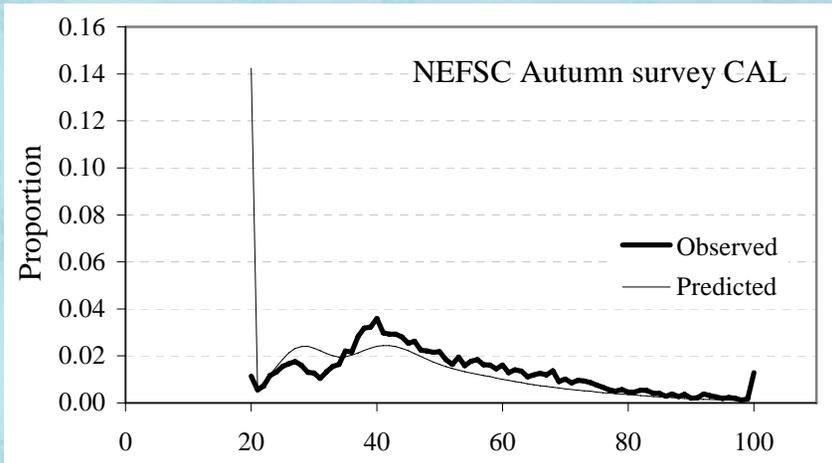
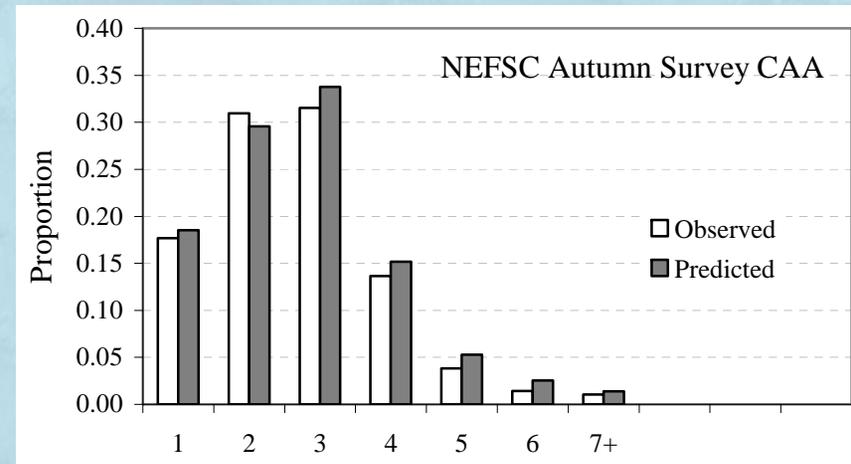
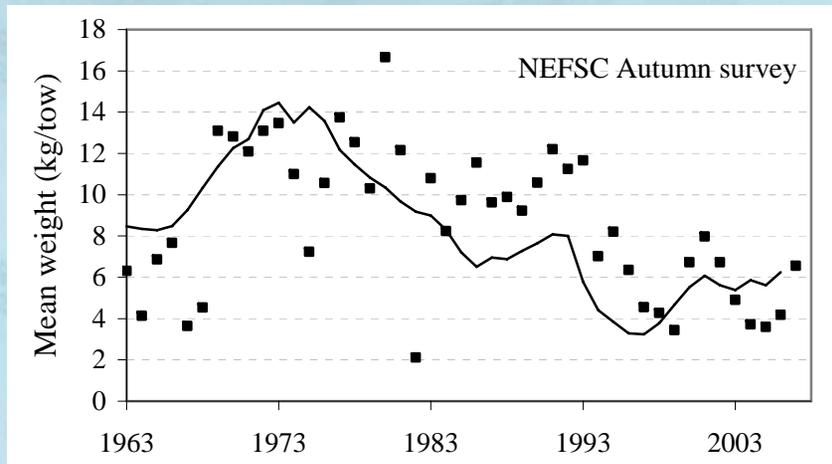
0.50 K^{sp}

- **< 60cm catch**

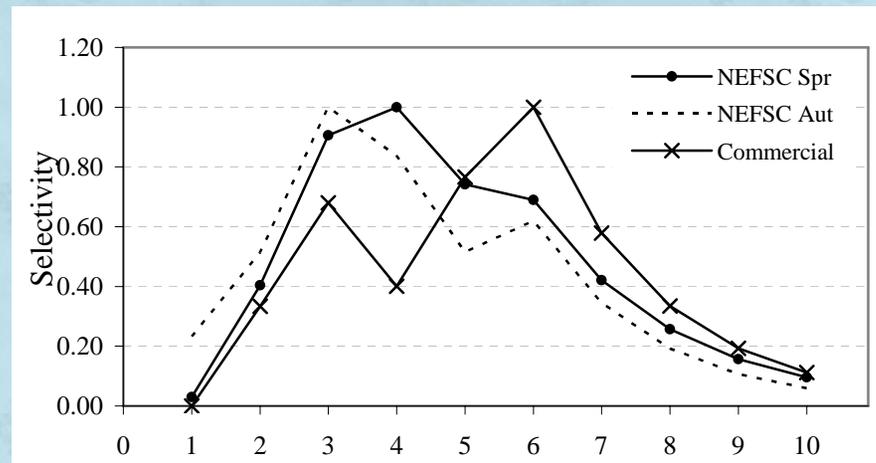
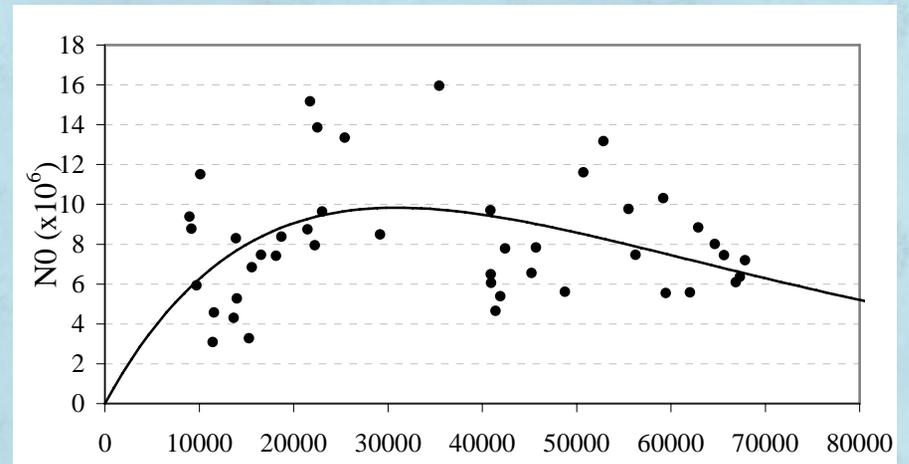
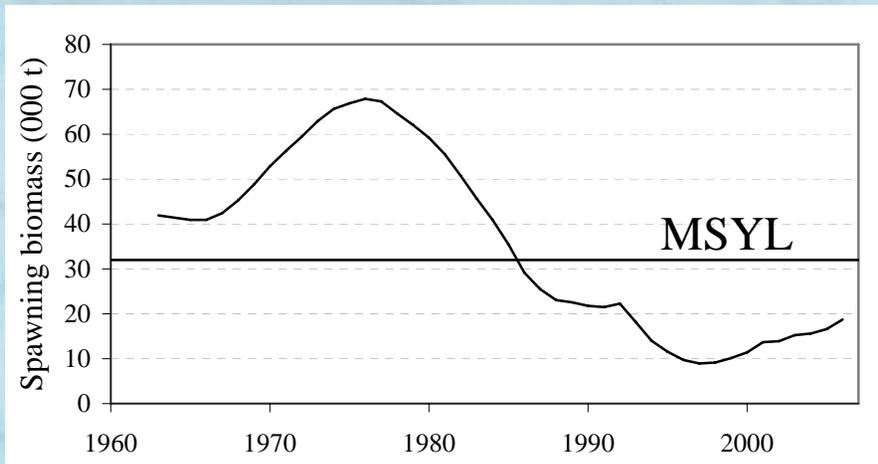
All white hake ("Total")

No white hake ("over 60cm only")

Total / 0.5 K^{sp} start: Fits



Total / 0.5 K^{sp} start



Common Across Four Scenarios

- B^{sp} increase over last decade
- $F_{2006} < F_{MSY}$

Future

Age-specific selectivity



Length-specific selectivity

Restricted Analysis

No time as yet to examine, e.g.:

- Different M values
- Different S/R functions
- Different starting years



Reference point ranges indicative, not definitive

Reference Point Range Summary

B_{2006}^{sp} ('000t)	9 – 19
B_{MSY}^{sp} ('000t)	18 – 32
$B_{2006}^{sp} / B_{MSY}^{sp}$	0.42 – 0.76
F_{2006}	0.16 – 0.25
F_{MSY}	0.27 – 0.52

F for age 6

N.B. Indicative Only! N.B.